

ASSIGNMENT ARRAYS

Q.1 What is the default value of an array for different data types?

Ans. int - 0
 boolean -false
 String - null
 double - 0.0
 user-defined-datatype - null

Q.2 Can you pass the negative number in array size?

Ans. No

Q.3 Where does array stored in the JVM?

Ans. In Heap Area

Q.4 What are the disadvantages of arrays?

Ans. There are two major disadvantages of array:-

- Array can only store similar type of data items.
- The size of the array is static i.e fixed at the time when the array is declared.

Q.5 What is Anonymous Array in Java? Give an example.

Ans. The array which has no name is called the Anonymous array. This type of array is used only once.

Example:-

```
anonymousArray.java > anonymousArray > main(String[])
1 public class anonymousArray {
2     public static int sum(int[] arr){
3         int sum=0;
4         for(int i:arr){
5             sum+=i;
6         }
7         return sum;
8     }
9     public static void main(String[] args) {
10
11         int res=sum(new int[]{4,1,5,6});
12         System.out.println("Sum is "+res);
13     }
14 }
```

Run | Debug

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL SQL CONSOLE GITLENS

Windows PowerShell
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PS C:\Users\dell16\OneDrive\Desktop\JAVA WITH DSA AND SYSTEM DESIGN\7.0.2.8-hotspot\bin> java.exe -XX:+ShowCodeDetailsInExceptionMessage 2a6a8bb6b4d49664ff888433e1884c13\redhat.java\jdt_ws\CODE_546f7045\b3 Sum is 16

Q.6 What are the different ways to traverse an array in Java?

Ans. There are major two ways to traverse an array in Java:-

- Using For loop
- Using enhanced for loop

Using For loop:

```
for(int i=0;i<arr.length;i++){
    System.out.println(arr[i]);
}
```

Enhance For loop:

```
for(int i:arr){
    System.out.println(i);
}
```

Q.7 What is the difference between length and length() method in Java?

Ans. length is a property and length() is a method.

Example:-

length is used to find length of array and length() is used to find length of string.

```
int[] arr = {5,14,10,80};  
System.out.println(arr.length);  
Output: 4
```

```
String s = "Pumori";  
System.out.println(s.length());  
Output: 6
```